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ABSTRACT

Registration data for students enrolled in regular credit classes at six Hawaii community colleges during Fall 1980 were examined to measure instructor workload in terms of class size, average semester hours taught, and the average hours in contact with students. Major findings reveal that, during Fall 1980, 19,359 students were enrolled in 2,837 classes and carried 8,206 student semester hours. Only 160 of the classes had enrollments of 10 students or less, and the average class size was 24. General education classes experienced higher average enrollments (25 students) than did vocational classes (23 students). Findings directly related to faculty workload reveal that 623.5 full-time equivalent (FTE) instructors taught an average of 13.2 semester hours and that the average number of student contact hours was 15.9. The average productivity ratio (number of student semester hours divided by FTE faculty) was 306 and the ratio of FTE faculty to FTE students was 1 to 20. The study report presents findings on a series of tables which compare findings by college with similar data collected annually since 1976 and break down 1980 findings for each college by program area. (JP)

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COURSE REGISTRATION
AND FACULTY TEACHING REPORT
UNIVERSITY OF HAWAII, COMMUNITY COLLEGES
FALL 1980

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OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS
UNIVERSITY OF HAWAII
DECEMBER 1980

JC 810 087

COURSE REGISTRATION AND FACULTY TEACHING REPORT COMMUNITY COLLEGES FALL 1980

Introduction

Faculty teaching load has long been a topic of vital interest to all concerned with education since it is so closely associated with cost and quality factors. As in the past, this report describes only one aspect of the instructor's workload: teaching load, i.e., the actual classroom situation as measured in terms of average semester hours taught, average hours in contact with students, class size, etc. (The total workload of the instructor would include many other professional activities such as responding to various community requests, engaging in departmental research, advising students, attending faculty committee meetings, etc.)

Sources of Data

SIS Computer Reports 3010 and 3011 (Course Registration Reports), which provide detailed and summary data on faculty-student "workload" based on student semester hours, were used as the primary documents for this report. (Data for these reports were abstracted from students' class registration data.) Computer Reports 3030 (Schedule of Classes) and the Faculty-Staff Information System (FSIS) reports were used as reference points. The deans of instruction were also consulted for certain information regarding their schedules of classes and lecturers and instructors on overload.

Population Included*

The information for this report is based on registration data for the following groups of students registered in the regular credit programs in six community colleges: classified and unclassified students, early admittees, concurrent registrants, and other special students whose registration records are processed through the SIS. All computer reports are as of mid-October. The data have been reviewed by the deans of instruction.

Adjustments

Equivalent credits were established for classes with variable credits. The methodology differed, however, depending upon the kind of classes under consideration, e.g., directed studies, cooperative education, etc. (See Appendix A, Definitions.)

*Course registration and teaching load information on Hawaii Community College is excluded from this report. System totals reflected in this report therefore differ from those appearing in earlier reports.

HIGHLIGHTS

- Although the Fall 1980 enrollment of 19,359 (regular students, only) is the largest recorded, registration counts in classes and student semester hours (SSHs) carried are only slightly more than Fall 1979 and 6 and 8 percent, respectively, less than Fall 1976. However, the data show that more courses were offered and more classes were scheduled. (Table 1)

  The above phenomenon largely reflects the growing number and proportion of part-time students the community colleges are attracting. Further, data from student files show that the full-time students are carrying lighter credit loads as compared to previous years.

- The number and proportion of clases with ten or fewer students increased slightly for the system and at most of the colleges. Many of these "low enrollment" classes are held for a variety of reasons: graduation requirements, facility limitations, accreditation requirements (especially in the health services courses). Further, a few courses are taught by non-instructional staff (deans, counselors and media coordinators) who receive no additional compensation. (Table 2)

- Average class sizes are about the same as last fall: 24 for the system; 18-29, by campus. As in past years, the average class size in general education courses (25 students) is larger than those in vocational education (23 students). (Table 3)

- Teaching loads, in terms of semester and contact hours and productivity ratios, remained at about the same level as last fall (Table 4):

  (1) Average semester hours, per FTE instructor, 13.2; average contact hours, 15.9; productivity ratio, 306.

  (2) As expected, campuses varied: from 12.5-14.0 semester hours per FTE instructor; from 14.0-17.0 weekly contact hours; and from 219-348 productivity ratios.

  The faculty-student ratio of 1:20 is the lowest in five years. The ratios range from 1:14-1:23, by campus.

- Both head and FTE counts of instructors are higher this fall compared to last fall (Table 5):

  (1) Headcount, 866, an increase of 10, 1%.

  (2) FTE count, 623.5, an increase of 15.5, 3%.

  The FTE count of faculty is higher than in previous years. This is probably because more released time is being granted to enable instructors to engage in various curriculum related activities. (In most instances, the expenses related to released time are funded externally through grants such as the AIDP, the Humanities and Title III Grants.)

SUMMARY

Teaching load, as gauged by SSH productivity and other measures, this fall is about the same as last fall, generally, for the community college totals. However, an examination of campus data shows fluctuations. Affecting the teaching load are such factors as: (1) proportionately more part-time students: (2) students generally carrying lighter credit loads; and (3) more resources being directed toward curriculum planning activities made possible largely through external funding.

TABLE 1
COURSES, CLASSES, SEMESTER & CONTACT HOURS
COMMUNITY COLLEGES
FALL 1976 - 1980

College and Year	Courses	Classes	Semester Hours	Student Registrations	Student Sem Hours	Contact Hours Instructor	Contact Hours Student
TOTAL*							
1976	1,515	2,656	7,717	72,374	206,628	9,677	246,358
1977	1,482	2,695	7,686	70,307	199,253	9,348	234,445
1978	1,527	2,817	7,946	69,946	194,543	9,496	228,142
1979	1,535	2,787	8,081	67,467	190,503	9,638	222,227
1980	1,566	2,837	8,206	67,762	190,770	9,923	226,645
HONOLULU							
1976	345	579	1,880	16,047	50,318	2,494	70,200
1977	314	574	1,849	15,051	48,163	2,406	62,505
1978	326	605	1,918	14,860	46,784	2,496	60,986
1979	355	647	2,072	15,065	46,983	2,605	60,144
1980	370	636	2,041	14,780	46,217	2,642	59,916
KAPIOLANI							
1976	317	584	1,619	18,461	49,678	2,292	58,451
1977	318	607	1,633	17,467	46,862	2,081	56,138
1978	303	643	1,723	18,027	47,041	2,064	55,058
1979	274	600	1,739	16,827	46,948	2,134	54,836
1980	283	630	1,819	18,044	49,768	2,244	59,523
KAUAI							
1976	199	225	599	4,355	11,360	773	13,712
1977	183	225	577	4,814	11,959	767	14,842
1978	194	244	588	4,628	10,894	754	12,892
1979	185	238	572	4,603	10,424	711	12,489
1980	177	222	554	4,069	9,732	716	11,945
LEEWARD							
1976	321	817	2,326	23,226	66,339	2,599	70,865
1977	322	802	2,289	21,686	62,043	2,522	66,610
1978	316	789	2,249	20,675	58,639	2,461	63,091
1979	309	757	2,168	19,182	54,507	2,403	58,382
1980	325	775	2,205	19,200	54,069	2,478	59,452
MAUI							
1976	226	275	795	6,368	17,426	997	21,125
1977	235	315	838	6,914	17,625	1,046	21,649
1978	251	320	872	6,977	17,676	1,072	21,660
1979	272	327	930	6,710	17,435	1,143	21,509
1980	271	350	962	6,834	17,463**	1,164	21,245
WINDWARD							
1976	107	176	498	3,917	11,507	522	12,005
1977	110	172	500***	4,375	12,601	526	12,701
1978	137	216	596	4,779	13,509	649	14,455
1979	140	218	600***	5,080	14,206	642	14,867
1980	140	224	625	4,835	13,521	679	14,564

*Community College totals differ from those appearing in IRACC-3 and CC-IRP 84, 96, 107 and 116. The figures in this report exclude Hawaii CC.

**Approximately 460 more SSHs were generated by late registrants.

***Includes 18 semester hours scheduled during the eight-week session. Data for the other columns (classes, registrations, SSHs, contact hours) do not reflect input from these additional offerings for Fall 1977; 6 semester hours, for Fall 1979.

Source: SER Computer Report 3010, 3011, October, 1980.

TABLE 2
CLASSES WITH TEN OR FEWER STUDENTS
COMMUNITY COLLEGES
FALL 1976 - 1980

College & Year	No. of Classes	Classes with Ten or Fewer Students	
		No.	H%
TOTAL*			
1976	2,656	150	5.6
1977	2,695	130	4.8
1978	2,817	172	6.1
1979	2,787	148	5.3
1980	2,837	160	5.6
HONOLULU			
1976	579	12	2.1
1977	574	17	3.0
1978	605	11	1.8
1979	647	19	2.9
1980	636	24	3.8
KAPIOLANI			
1976	584	31	5.3
1977	607	28	4.6
1978	643	34	5.3
1979	600	30	5.0
1980	630	35	5.6
KAUAI			
1976	225	32	14.2
1977	225	22	9.8
1978	244	34	13.9
1979	238	32	13.4
1980	222	26	11.7
LEEWARD			
1976	817	45	5.5
1977	802	43	5.4
1978	789	46	5.8
1979	757	26	3.4
1980	775	34	4.4
MAUI			
1976	275	19	6.9
1977	315	19	6.0
1978	320	34	10.6
1979	327	32	9.8
1980	350	31	8.9
WINDWARD			
1976	176	11	6.3
1977	172	1	0.6
1978	216	13	6.0
1979	218	9	4.1
1980	224	10	4.5

TABLE 3
AVERAGE CLASS SIZE, BY PROGRAM*
COMMUNITY COLLEGES
FALL 1976 - 1980

College and Year	T O T A L Average Class Size	General & Pre-Prof Courses Average Class Size	Vocational-Tech Courses Average Class Size
TOTAL**			
1976	27	28	26
1977	26	27	24
1978	25	26	23
1979	24	25	23
1980	24	25	23
HONOLULU			
1976	28	29	26
1977	26	28	23
1978	25	27	21
1979	23	25	20
1980	23	24	20
KAPIOLANI			
1976	32	31	32
1977	29	30	28
1978	28	29	24
1979	28	29	27
1980	29	31	27
KAUAI			
1976	19	21	17
1977	21	22	20
1978	19	19	18
1979	19	19	20
1980	18	19	18
LEEWARD			
1976	28	30	25
1977	27	28	24
1978	26	27	21
1979	25	26	24
1980	25	25	24
MAUI			
1976	23	26	20
1977	22	24	20
1978	22	23	20
1979	21	22	19
1980	20	20	19
WINDWARD			
1976	22	23	15
1977	25	26	22
1978	22	23	19
1979	23	24	21
1980	22	22	20

*The computation of average class size excludes certain classes such as Directed Studies, Cooperative Education, etc.

**Community College totals differ from those appearing in IRACC-3 and CC-IRP 84, 96, 107 and 116. The figures in this report exclude Hawaii CC.

TABLE 4
AVERAGE SEMESTER AND CONTACT HOURS TAUGHT,
PRODUCTIVITY AND FACULTY-STUDENT RATIOS
FALL 1976 - 1980

College and Year	FTE Faculty	Semester Hours Taught TOTAL	Semester Hours Taught Average	Productivity Ratio** TOTAL SSH	Productivity Ratio** Average	Contact Hours TOTAL	Contact Hours Ave.	Ratio: FTE Faculty :FTE Students *** Students	Ratio: FTE Faculty :FTE Students *** Ratio
TOTAL*									
1976	584.0	7,717	13.2	206,628	354	9,677	16.6	13,668	1:23
1977	567.9	7,686	13.5	199,253	351	9,348	16.5	13,197	1:23
1978	602.7	7,946	13.2	194,543	323	9,496	15.8	12,912	1:21
1979	608.0	8,081	13.3	190,503	313	9,638	15.9	12,659	1:21
1980	623.5	8,206	13.2	190,770	306	9,923	15.9	12,668	1:20
HONOLULU									
1976	140.1	1,880	13.4	50,318	359	2,494	17.8	3,340	1:24
1977	132.6	1,849	13.9	48,163	363	2,406	18.1	3,203	1:24
1978	141.2	1,918	13.6	46,784	331	2,496	17.7	3,116	1:22
1979	149.3	2,072	13.9	46,983	315	2,605	17.5	3,129	1:21
1980	155.3#	2,041	13.1	46,217	298	2,642	17.0	3,075	1:20
KAPIOLANI									
1976	123.5	1,619	13.1	49,678	402	2,292	18.6	3,300	1:27
1977	122.9	1,633	13.3	46,862	381	2,081	16.9	3,114	1:25
1978	133.0	1,723	13.0	47,041	354	2,064	15.5	3,127	1:24
1979	138.3##	1,739	12.6	46,948	339	2,134	15.4	3,126	1:23
1980	143.1	1,819	12.7	49,768	348	2,244	15.7	3,307	1:23
KAUAI									
1976	44.9	599	13.3	11,360	253	773	17.2	726	1:16
1977	43.2	577	13.4	11,959	277	767	17.8	771	1:18
1978	45.3	588	13.0	10,894	240	754	16.6	711	1:16
1979	43.1	572	13.3	10,424	242	711	16.5	687	1:16
1980	44.4	554	12.5	9,732	219	716	16.1	635	1:14
LEEWARD									
1976	172.8	2,326	13.5	66,339	384	2,599	15.0	4,395	1:25
1977	168.9	2,289	13.6	62,043	367	2,522	14.9	4,116	1:24
1978	171.1	2,249	13.1	58,639	343	2,461	14.4	3,894	1:23
1979	163.2	2,168	13.3	54,507	334	2,403	14.7	3,621	1:22
1980	163.2	2,205	13.5	54,069	331	2,478	15.2	3,594	1:22
MAUI									
1976	63.3	795	12.6	17,426	275	997	15.8	1,154	1:18
1977	62.4	838	13.4	17,625	282	1,048	16.8	1,170	1:19
1978	65.5	872	13.3	17,676	270	1,072	16.4	1,176	1:18
1979	67.9	930	13.7	17,435	257	1,143	16.8	1,159	1:17
1980	68.9	962	14.0	17,463 ###	253	1,164	16.9	1,157	1:17
WINDWARD									
1976	39.4	498	12.6	11,507	292	522	13.2	753	1:19
1977	37.9	500	13.2	12,601	332	526	13.5	823	1:22
1978	46.6	596	12.8	13,509	290	649	13.9	888	1:19
1979	46.2	600	13.0	14,206	307	642	13.9	937	1:20
1980	48.6	625	12.9	13,521	278	679	14.0	898	1:18

*Community College totals differ from those appearing in IRACC-3 and CC-IRP 84, 96, 107 and 116. The figures in this report exclude Hawaii CC.

**See Appendix A for definition. Computed by dividing total SSH by FTE instructor.

***FTE Count of students based on regular students, only.

#FTE count of instructors includes those with substantial released time to engage in curriculum development or special projects made possible by grants such as Title III.

##FTE count includes instructional staff with substantial released time made possible by grants such as the AIDP; Cooperative Education, Title 8; Consumer Economics, Title 10, and the Vocational Education Grant for the Elimination of Sex Bias.

###Approximately 460 more SSHs were generated by late registrants. The productivity ratio including these additional SSHs would have been 260.

TABLE 5
HEADCOUNT* OF INSTRUCTORS AND LECTURERS; FTE COUNT,** FACULTY ENGAGED IN TEACHING
COMMUNITY COLLEGES
FALL 1976 - 1980

YEAR	TOTAL***		HONOLULU		KAPIOLANI		KAUAI		LEEWARD		MAUI		WINDWARD	
	FTE Count	Head-Count	FTE Count	Head-Count	FTE Count	Head-Count	FTE Count	Head-Count	FTE Count	Head-Count	FTE Count	Head-Count	FTE Count	Head-Count
Fall 1976	584.0	937	140.1	219	123.5	210	44.9	67	172.8	284	63.3	95	39.4	62
1977	567.9	817	132.6	191	122.9	188	43.2	60	168.9	235	62.4	92	37.9	51
1978	602.7	828	141.2	193	133.0	205	45.3	60	171.1	224	65.5	82	46.6	64
1979	608.0	856	149.3	215	138.3	199	43.1	60	163.2	222	67.9	91	46.2	69
1980	623.5	866	155.3	223	143.1	198	44.4	56	163.2	222	68.9	98	48.6	69

*Duplicated headcount: lecturers teaching at more than one campus are included in the count of each campus they teach. The count of instructors include full- and part-time instructors and division/department chairmen.

**The FTE count of part-time instructors is reflected as contracted (0.5 for those employed as 50% FTE); the FTE count of division/department chairmen, as 0.7.

***Community College totals differ from those appearing in IRACC-3 and CC-IRP 84, 96, 107 and 116. The figures in this report exclude Hawaii CC.

TABLE 1a
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
HONOLULU COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
TOTAL	370	636	23	2,041	14,780	46,217	2,612.2	59,916
GENERAL & PRE-PROF EDUC COURSES	151	385	24	1,115	9,549	27,491	1,197	29,348
Humanities	69	184	23	538	4,241	12,361	574	13,069
Art	13	22	21	67	451	1,371	108	2,148
Communication	4	6	23	20	143	429	18	411
Drama	1	1	35	3	35	105	3	105
East Asian Lang: Japanese	2	5	23	17	116	395	19	442
English	14	73	23	219	1,701	5,103	219	5,103
English	(13)	(72)	(23)	(216)	(1,676)	(5,028)	(216)	(5,028)
Linguistics	(1)	(1)	(25)	(3)	(25)	(75)	(3)	(75)
English Lang. Inst.	3	6	21	18	127	381	18	381
Hawaiiana	1	1	23	3	23	69	3	69
History	5	18	28	54	502	1,506	54	1,506
Humanities	4	5	26	18	139	420	15	384
Indo-Pac Lang: Hawaiian	1	2	24	8	48	192	10	240
Journalism	3	3	13	9	38	112	9	114
Music	5	6	15	10	90	144	14	207
Philosophy	4	9	23	27	208	624	27	624
Religion	5	9	25	27	223	669	27	669
Speech	4	18	22	38	397	841	30	666
Natural Sciences	45	123	26	345	3,278	9,171	392	10,303
Biological Sciences	9	16	24	40	376	979	54	1,317
Biology	(1)	(1)	(20)	(3)	(20)	(60)	(3)	(60)
Botany	(5)	(10)	(24)	(22)	(237)	(529)	(30)	(711)
Microbiology	(2)	(3)	(19)	(7)	(56)	(138)	(9)	(168)
Zoology	(1)	(2)	(32)	(8)	(63)	(252)	(12)	(378)
Chemistry	8	13	24	31	313	726	45	1,038
Mathematics	13	65	29	198	1,910	5,715	201	5,852
Oceanography	4	6	32	20	197	591	20	617
Physical Science	10	22	21	52	456	1,056	66	1,323
Geophysics	(1)	(1)	(10)	(4)	(10)	(40)	(6)	(60)
Physics	(9)	(21)	(21)	(48)	(446)	(1,016)	(60)	(1,263)
Science	1	1	26	4	26	104	6	156
Social Sciences	33	69	26	206	1,805	5,321	205	5,338
American Studies	2	3	27	9	80	240	9	240
Anthropology	2	5	21	15	107	321	15	321
Economics	3	8	29	24	234	702	24	702
Geography	5	8	23	20	184	486	24	552
Human Development	8	12	24	34	290	838	34	838
Political Science	1	2	26	6	52	156	6	156
Psychology	3	13	30	39	384	1,152	39	1,152
Social Science	5	5	27	20	149	451	15	402
Sociology	3	12	25	36	297	891	36	891
Women Studies	1	1	28	3	28	84	3	84
Other	4	9	25	26	225	638	26	638
Health, Physical Educ. & Rec.	2	3	22	8	67	164	8	164
Interdisciplinary Studies	1	1	30	3	30	90	3	90
Learning Skills	1	5	26	15	128	384	15	384

Continued

HONOLULU COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
VOCATIONAL EDUCATION	219	251	20	926	5,231	18,726	1,445.2	30,568
Business Education	16	20	23	57	465	1,314	76	1,733
Business	4	4	27	10	109	289	14	386
Information & Computer Sci.	2	3	26	9	77	231	9	231
Management	1	1	27	3	27	81	3	81
Secretarial & Related	9	12	21	35	252	713	50	1,035
Office Procedures	(3)	(5)	(22)	(13)	(111)	(290)	(15)	(340)
Shorthand	(2)	(1)	(23)	(4)	(25)	(75)	(5)	(115)
Typewriting	(4)	(6)	(19)	(18)	(116)	(348)	(30)	(580)
Food Services: Baking	4	2	15	19	35	280	40	600
Health Services	3	9	14	12	129	193	15.5	238
Food & Nutritional Science	2	2	20	5	39	103	5	103
Health	1	7	13	7	90	90	10.5	135
Public Services	51	61	19	173	1,212	3,416	177.5	3,369
Fire Science	6	8	23	24	185	555	24	555
Human Services	15	22	18	51	404	946	41.5	656
Corrections	(1)	(1)	(7)	(3)	(7)	(21)		
Education	(9)	(11)	(15)	(31)	(211)	(611)	(30.5)	(451)
Human Services	(3)	(8)	(17)	(11)	(135)	(173)	(8)	(145)
Social Services	(2)	(2)	(26)	(6)	(51)	(141)	(3)	(80)
Interpreting	5	6	17	16	83	285	24	411
Law	2	3	20	9	61	183	9	183
Industrial Education	7	5	16	15	80	240	25	400
Ind Ed Draft Design	(2)	(1)	(23)	(3)	(23)	(69)	(5)	(116)
Ind Ed Electronics	(2)	(1)	(11)	(3)	(11)	(33)	(5)	(55)
Ind Ed Power Technology	(1)	(1)	(16)	(3)	(16)	(48)	(5)	(80)
Ind Ed Sheet Metal	(1)	(1)	(10)	(3)	(10)	(30)	(5)	(50)
Ind Ed Wood Construction	(1)	(1)	(20)	(3)	(20)	(60)	(5)	(100)
Occupational Safety & Health	10	10	20	32	200	611	30	585
Police Science	6	8	24	26	199	596	24	579
Technology	143	157	20	659	3,354	13,415	1,130.2	24,520
Aeronautics	11	11	18	60	193	916	83.2	1,438
Aeronautics	(1)	(1)	(21)	(3)	(21)	(63)	(3)	(63)
Aviation	(10)	(10)	(17)	(47)	(172)	(853)	(80.2)	(1,375)
Apparel Design & Const.	5	5	20	16	109	291	23	454
Auto Body Repair & Painting	4	2	21	32	86	707	46	1,242
Automotive Mechanics Tech	14	16	19	83	341	1,465	135	2,462
Blueprint Reading	6	10	22	27	220	620	39	874
Carpentry	2	2	24	20	47	470	48	1,128
Commercial Art	12	11	18	45	212	805	62	1,167
Commercial Art	(11)	(10)	(18)	(41)	(194)	(733)	(56)	(1,059)
Graphic Art	(1)	(1)	(18)	(4)	(18)	(72)	(6)	(108)
Cosmetology	7	5	26	39	183	1,184	90	3,260
Diesel Mechanics Tech.	4	3	20	26	69	484	45	885
Drafting Technology	7	12	25	46	308	1,071	90	2,248
Electricity	5	4	22	21	90	448	46	1,012
Electronics Technology	22	23	22	74	528	1,551	102	2,266
Engineering Technology	5	5	12	18	59	217	34	447
Home Economics	2	2	25	6	49	147	6	147
Machine Shop	8	10	15	39	153	598	69	1,076
Pipefitter	1	1	22	4	22	88	8	176
Refrigeration & Air Cond.	6	5	29	25	144	686	44	1,232
Sheet Metal & Plastics Tech.	7	7	14	24	96	332	42	580
Textiles	5	6	19	18	114	342	26	486
Welding	10	17	19	46	331	993	92	1,910
Other: Vocational	2	2	18	6	36	108	6	108

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).

**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

Sources: SER Computer Reports 3010, 3011, October 7, 1980; Office of the Dean of Instruction.

TABLE 2A
CLASSES WITH TEN OR FEWER STUDENTS
HONOLULU COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes		
TOTAL			24
GENERAL & PRE-PROF ED COURSES		5	
Humanities	2		
Music (180)	1		
Philosophy (200)	1		
Natural Sciences	2		
Math (050)	1		
Geosciences (101B)	1		
Social Sciences	1		
Human Development	1		
VOCATIONAL EDUCATION COURSES		19	
Business	1		
Typing (035)	1		
Health	1		
Health (031)	1		
Public Services	10		
Corrections (091)	1		
Education (50V, 51V, 53V)	4		
Human Services (091)	1		
*Interpretation (020, 022)	2		
Indus. Ed, Sheet Metal (103)	1		
Law	1		
Technologies	7		
#Commercial Art (045)	1		
#Engineering Technology (023, 051, 054, 062)	4		
#Machine Shop (053)	1		
#Welding (050B)	1		

*Federally funded; required for program
#Program requirements

Sources: SER Computer Report 3011B, October 7, 1980; Office of the Dean of Instruction.

TABLE 1b
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
TOTAL	283	630	29	1,819	18,044	49,768	2,243.7	59,522.9
GENERAL & PRE-PROF EDUC COURSES	136	312	31	904	9,563	27,287	945.5	29,010
Humanities	67	175	28	480	4,871	13,419	516.5	14,185
Art	8	15	25	33	378	902	48	1,150
Communication	1	4	26	12	104	312	12	312
Drama	2	3	22	9	65	195	9	195
East Asian Lang: Japanese	4	8	23	28	187	655	32	749
English	30	68	25	179	1,690	4,478	184	4,608
English as a Second Lang	3	5	26	15	130	390	15	390
English as a Second Lang	(1)	(1)	(24)	(3)	(24)	(72)	(3)	(72)
English Language Institute	(2)	(4)	(27)	(12)	(106)	(318)	(12)	(318)
History	5	29	36	87	1,035	3,105	87	3,105
Humanities	3	3	33	9	99	297	9	297
Indo-Pac Lang: Hawaiian	1	1	26	4	26	104	5	130
Journalism	3	3	20	9	61	183	9	183
Music	11	11	33	20	360	592	31.5	858
Philosophy	2	6	34	18	201	603	18	603
Religion	2	8	31	24	251	753	24	753
Speech	2	11	26	33	284	850	33	852
Natural Sciences	41	73	34	211	2,468	7,184	239	8,351
Biological Science	12	19	31	53	593	1,704	61	1,878
Biology	(4)	(8)	(29)	(25)	(233)	(721)	(27)	(779)
Botany	(4)	(4)	(32)	(10)	(127)	(347)	(12)	(381)
Microbiology	(2)	(4)	(34)	(11)	(134)	(383)	(13)	(421)
Zoology	(2)	(3)	(33)	(7)	(99)	(253)	(9)	(237)
Chemistry	4	4	28	8	113	259	12	339
Mathematics	14	35	37	111	1,305	3,962	121	4,763
Mathematics	(13)	(34)	(37)	(108)	(1,266)	(3,845)	(118)	(4,648)
Business Analy & Stat	(1)	(1)	(39)	(3)	(39)	(117)	(3)	(117)
Oceanography	1	2	34	6	68	204	6	204
Physical Science	10	13	30	33	389	1,055	39	1,167
Physics	(3)	(4)	(28)	(10)	(111)	(299)	(12)	(333)
Science	(7)	(9)	(31)	(23)	(278)	(756)	(27)	(834)
Social Sciences	26	59	36	202	2,122	6,446	177	6,202
American Studies	2	4	36	12	143	429	12	429
Anthropology	2	7	34	21	235	705	21	705
Economics	4	8	35	24	281	843	24	843
Geography	4	7	32	21	226	678	21	678
Human Development	1	1	31	3	31	93	3	93
Political Science	3	4	30	12	120	360	12	360
Psychology	3	16	36	48	579	1,737	48	1,737
Social Science	4	3	32	34	177	611	9	367
Sociology	2	8	37	24	297	891	24	891
Women Studies	1	1	33	3	33	99	3	99
Other General Education	2	5	20	11	102	238	13	272
Health & Physical Ed.	1	2	17	2	34	34	4	68
Interdisciplinary Studies	1	3	23	9	68	204	9	204

Continued

KAPIOLANI COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
VOCATIONAL EDUCATION	147	318	27	915	8,481	22,481	1,298.2	30,512.9
Business Education	83	210	29	552	6,045	14,892	662	16,862.5
Accounting	12	40	30	128	1,234	3,747	132	3,694
Business	5	19	36	57	679	2,037	57	2,037
Data Processing	16	39	21	82	817	1,977	122	2,485
Data Processing	(6)	(24)	(14)	(31)	(368)	(422)	(63)	(722)
Info & Computer Sci	(10)	(15)	(30)	(51)	(449)	(1,555)	(59)	(1,763)
Sales Management	16	23	35	90	816	2,503	87	2,341
Hotel Operations	(7)	(13)	(29)	(54)	(432)	(1,330)	(47)	(1,210)
Management	(1)	(1)	(49)	(3)	(49)	(147)	(3)	(147)
Merchandising	(8)	(9)	(35)	(33)	(335)	(1,026)	(37)	(984)
Secretarial & Related	34	89	(28)	195	2,499	4,628	264	6,305.5
Business Machines	(3)	(36)	(31)	(36)	(1,132)	(1,132)	(36)	(1,132)
Office Procedures	(9)	(15)	(25)	(56)	(438)	(1,162)	(67)	(1,305)
Shorthand	(9)	(11)	(18)	(43)	(193)	(779)	(59)	(1,051)
Transcription	(1)	(3)	(26)	(6)	(78)	(156)	(4.5)	(117)
Typewriting	(10)	(19)	(33)	(39)	(618)	(1,279)	(72.5)	(2,500.5)
Word Processing	(2)	(5)	(8)	(15)	(40)	(120)	(25)	(200)
Food Services	14	28	35	125	973	3,356	238	7,276
Baking	1	4	22	16	87	348	52	1,218
Food Service	13	24	37	109	886	3,008	186	6,058
Health Services	37	67	16	192	1,049	2,991	354.2	5,176.4
Dental Assistant	6	7	15	16	108	270	14	306
Food & Nutritional Science	1	3	48	3	144	144	3	144
Health	5	17	15	22	261	343	23.8	365.8
Medical Assistant	2	2	24	8	47	188	28	376
Nursing	5	14	16	85	217	1,291	164.4	2,362.6
Occupational Therapy Asst.	5	8	9	14	70	140	16	204
Radiologic Technology	9	11	14	27	159	471	62	1,079
Respiratory Therapy	4	5	9	17	43	144	43	339
Public Services	13	13	30	46	414	1,242	44	1,198
Education	1	1	13	3	13	39	3	39
Law	12	12	32	43	401	1,203	41	1,159

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).
**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

Sources: SER Computer Reports 3010, 3011, October 8, 1980; Office of the Dean of Instruction.

TABLE 2b
CLASSES WITH TEN OR FEWER STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes
TOTAL	35
GENERAL & PRE-PROF ED COURSES	1
Humanities	1
English (098)	1
VOCATIONAL EDUCATION COURSES	34
Business Technologies	12
Data Processing (071, 072)	6
Shorthand (020C, 053)	2
Typing (020D)	1
Word Processing (050, 052)	3
Health Service Technology	22*
Dental Assisting (026)	1
Health (021C, 031)	2
Nursing (026B, 026C)	8
Occupational Therapy (203L, 223)	5
Radiologic Tech (200L, 270V)	3
Respiratory Therapy (202, 203)	3

*Many of these courses are offered to meet program requirements. In some cases, clinical stations are limited.

Sources: SER Computer Report 3011B, October 8, 1980;
Office of the Dean of Instruction

TABLE 1c
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
KAUAI COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes*		Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours**	
		No.	Ave Size				Instructor	Student
TOTAL	177	222	18	554	4,069	9,732	715.7	11,945
GENERAL & PRE-PROF EDUC COURSES	104	117	19	282	2,209	5,463	335	6,314
Humanities	45	54	18	138	956	2,502	176	3,065
Art	9	11	17	33	187	561	55	892
Communication	1	1	14	3	14	42	5	70
Drama	4	2	18	6	36	108	10	180
English	15	23	17	43	387	771	43	771
English	(14)	(22)	(17)	(40)	(374)	(732)	(40)	(732)
Linguistics	(1)	(1)	(13)	(3)	(13)	(39)	(3)	(39)
English Lang. Inst.	2	3	14	9	42	126	15	210
Hawaiian Studies	1	1	30	3	30	90	3	90
History	5	5	22	15	110	330	15	330
Indo-Pac Lang: Hawaiian	2	2	21	8	41	147	12	195
Music	2	1	19	3	19	57	3	57
Religion	2	1	11	3	11	33	3	33
Speech	2	4	20	12	79	237	12	237
Natural Sciences	28	37	17	69	641	1,218	87	1,538
Biological Sciences	8	7	21	20	146	436	30	654
Biology	(2)	(1)	(26)	(4)	(26)	(104)	(6)	(156)
Botany	(2)	(1)	(24)	(4)	(24)	(96)	(6)	(144)
Zoology	(4)	(5)	(19)	(12)	(96)	(236)	(18)	(354)
Chemistry	6	4	12	8	50	100	12	150
Mathematics	10	22	18	33	393	578	33	578
Physics	4	4	13	8	52	104	12	156
Social Sciences	26	22	25	66	545	1,644***	68	1,663
Anthropology	7	5	28	15	138	414	15	414
Economics	1	2	24	6	47	141	6	141
Geography	2	2	23	6	46	138	6	138
Political Science	2	1	25	3	25	75	3	75
Psychology	5	5	25	15	125	375	15	375
Social Science	2	2	17	6	33	99	8	127
Sociology	6	4	30	12	119	357	12	357
Women Studies	1	1	12	3	12	36	3	36
Other	5	4	12	9	67	99	4	48
Coop. Arts/Science Educ.	2	*	*	5	19	51		
Learning Skills	3	4	12	4	48	48	4	48

Continued

KAUAI COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
VOCATIONAL EDUCATION	73	105	18	272	1,860	4,269	280.7	5,631
Business Education	36	62	20	115	1,267	2,282	129.6	2,592.8
Accounting	7	11	17	23	190	404	28	487
Business	6	14	22	24	324	436	17	372
Data Processing	2	3	27	9	82	246	9	246
Data Processing	(1)	(2)	(29)	(6)	(58)	(174)	(6)	(174)
Information & Computer Sci.	(1)	(1)	(24)	(3)	(24)	(72)	(3)	(72)
Sales & Management	6	9	23	27	210	630	27	630
Hotel Operations	(2)	(3)	(28)	(9)	(84)	(252)	(9)	(252)
Management	(2)	(4)	(20)	(12)	(81)	(243)	(12)	(243)
Merchandising	(2)	(2)	(23)	(6)	(45)	(135)	(6)	(135)
Secretarial & Related	15	25	18	32	461	566	48.6	857.8
Business Machines	(2)	(6)	(20)	(8)	(122)	(154)	(9.6)	(191.7)
Office Procedures	(1)	(1)	(20)	(2)	(20)	(40)	(2.5)	(50)
Shorthand	(2)	(2)	(20)	(4)	(39)	(78)	(6)	(117)
Typewriting	(10)	(15)	(18)	(18)	(280)	(294)	(30.5)	(499.1)
Health Svcs: Nursing	1	3	10	30	31	310	54	558
Public Services	4	4	21	12	84	252	12	252
Fire Science	2	2	19	6	38	114	6	114
Police Science	2	2	23	6	46	138	6	138
Technolcgy	32	36	13	115	478	1,425	185.10	2,228.2
Auto Body Repair & Painting	3	3	13	16	39	188	29	343
Automotive Mechanics	14	14	16	34	228	533	51.1	814.8
Carpentry	5	5	8	16	42	132	25.5	209.9
Construction Technology	5	5	9#	28	41	266	52.5	482.5
Electricity	1	2	18	6	36	108	6	108
Electronics	1	1	4	3	4	12	3	12
Machine Shop	1	4	11	8	43	86	12	129
Welding	2	2	22	4	45	100	6	129

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).

**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

***Includes a total of 9 SSHs in Human Development.

#Adjustment made for cross listed classes.

Sources: SER Computer Reports 3010, 3011, October 7, 1980; Office of the Dean of Instruction; Registrar.

TABLE 2c
CLASSES WITH TEN OR FEWER STUDENTS
KAUAI COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes	
TOTAL		26*
GENERAL & PRE-PROF ED COURSES		9
Humanities	1	
English (256)	1	
Natural Sciences	6	
Chem (100, 100L)	2	
Mathematics (024B, 024C)	2	
Physics (151, 151L)	2	
Social Sciences	1	
Psychology (100)	1	
Other General Education Disciplines	1	
Learning Skills (030C)	1	
VOCATIONAL EDUCATION COURSES		17
Business Technologies	5	
Accounting (026B, 026C)	2	
Typewriting (020B, 020C, 024)	3	
Health Service Technology	2	
Nursing (153)	2	
Other Technologies	10	
Carpentry (019, 020B, 020C, 041B, 041C)	5	
Construction Technologies (021B, 021C)	2	
Electronics (018)	1	
Mechanics (019)	2	

*Includes courses required for programs.

Sources: SER Computer Report 3011B, October 7, 1980;
Office of the Dean of Instruction.

TABLE 1d
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
LEEWARD COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes*		Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours**	
		No.	Ave Size				Instructor	Student
TOTAL	325	775	25	2,205	19,200	54,069	2,478	59,451.8
GENERAL & PRE-PROF EDUC COURSES	201	535	25	1,533	13,388	38,812	1,680.6	41,408.2
Humanities	94	269	24	782	6,449	19,068	854.1	20,198.5
Art	13	20	22	60	447	1,341	96	1,890
Communication	4	8	30	24	236	708	24	708
Dance	2	4	24	12	94	282	12	282
Drama	3	7	20	21	140	420	21	420
East Asian Lang: Japanese	4	10	23	40	227	908	39.3	887
English	11	98	23	294	2,241	6,723	294	6,723
English Language Institute	5	5	13	15	67	201	15	201
European Languages	7	11	14	42	158	512	39.8	588.5
European Languages	(1)	(1)	(6)	(3)	(6)	(18)	(3)	(18)
French	(2)	(3)	(14)	(12)	(41)	(164)	(11.3)	(158.4
German	(1)	(1)	(33)	(4)	(33)	(132)	(4)	(132)
Spanish	(3)	(6)	(13)	(23)	(78)	(298)	(21.5)	(280.1
Hawaiian Studies	1	3	27	9	81	243	9	243
History	5	29	33	87	944	2,832	87	2,832
Humanities	2	3	18	9	55	165	9	165
Indo-Pacific Languages	3	5	13	20	65	260	20	260
Hawaiian	(2)	(4)	(14)	(16)	(55)	(220)	(16)	(220)
Tagolog	(1)	(1)	(10)	(4)	(10)	(40)	(4)	(40)
Journalism	1	1	25	3	25	75	3	75
Music	24	30	16	41	493	770	80	1,396
Philosophy	4	13	33	39	432	1,296	39	1,296
Religion	4	11	33	33	359	1,077	33	1,077
Speech	1	11	35	33	385	1,155	33	1,155
Natural Sciences	43	120	28	337	3,388	9,670	396.5	10,796.5
Biological Sciences	9	13	28	43	363	1,207	68	1,607
Biology	(3)	(3)	(34)	(9)	(103)	(294)	(15)	(303)
Botany	(2)	(3)	(31)	(12)	(93)	(372)	(18)	(558)
Microbiology	(2)	(4)	(24)	(10)	(97)	(261)	(14)	(321)
Zoology	(2)	(3)	(23)	(12)	(70)	(280)	(21)	(420)
Chemistry	4	6	38	25	227	948	43	1,402
Engineering	3	3	26	7	77	169	7.5	184.5
Civil Engineering	(1)	(1)	(31)	(1)	(31)	(31)	(1.5)	(46.5
Electrical Engineering	(1)	(1)	(24)	(3)	(24)	(72)	(3)	(72)
Mechanical Engineering	(1)	(1)	(22)	(3)	(22)	(66)	(3)	(66)
Mathematics	14	78	27	204	2,103	5,502	204	5,502
Mathematics	(12)	(73)	(27)	(189)	(1,993)	(5,172)	(189)	(5,172)
Quantitative Methods	(2)	(5)	(22)	(15)	(110)	(330)	(15)	(330)
Oceanography	2	7	27	22	192	583	26	611
Physical Science	9	11	32	29	349	987	38	1,173
Astronomy	(2)	(4)	(48)	(12)	(192)	(576)	(12)	(576)
Geology & Geophysics	(2)	(2)	(26)	(4)	(52)	(122)	(6)	(156)
Physics	(5)	(5)	(21)	(13)	(105)	(289)	(20)	(441)
Science	2	2	39	7	77	274	10	317
Social Sciences	39	118	25	352	2,964	8,782	352	8,782
American Studies	2	3	21	9	63	189	9	189
Anthropology	2	9	27	27	247	741	27	741
Economics	5	22	26	66	577	1,731	66	1,731
Geography	9	8	29	24	234	608	24	608
Human Development	3	4	28	12	110	330	12	330
Political Science	3	8	29	24	228	684	24	684
Psychology	5	29	27	87	789	2,367	87	2,367
Social Science	6	23	18	67	403	1,193	67	1,193
Sociology	2	10	29	30	292	876	30	876
Women's Studies	2	2	11	6	21	63	6	63

Continued

LEEWARD COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes No.	Classes Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
Other	25	28	21	62	587	1,292	78	1,631.2
Health & Physical Ed	23	22	21	44	473	950	60.8	1,298
Interdisciplinary Studies	1	1	22	3	22	66	3	66
Learning Skills	1	5	18	15	92	276	14.2	267.2
VOCATIONAL EDUCATION	124	240	24	672	5,812	15,257	797.4	18,043.6
Business Education	40	130	29	330	3,775	9,407	333	9,625
Accounting	7	26	29	78	751	2,253	78	2,253
Business	7	22	29	70	660	1,980	66	1,980
Data Processing & Comp Sci	6	17	33	51	567	1,701	51	1,701
Sales & Management	7	12	30	38	355	1,065	36	1,065
Management	(2)	(7)	(36)	(21)	(250)	(750)	(21)	(750)
Merchandising	(5)	(5)	(20)	(17)	(105)	(315)	(15)	(315)
Secretarial & Related	13	53	27	93	1,442	2,408	102	2,626
Business Machines	(1)	(7)	(30)	(21)	(207)	(621)	(21)	(621)
Office Procedures	(3)	(5)	(16)	(7)	(82)	(102)	(8.5)	(117)
Shorthand	(3)	(7)	(23)	(21)	(160)	(480)	(24)	(543)
Typewriting	(6)	(34)	(29)	(44)	(993)	(1,205)	(48.5)	(1,345)
Food Services	12	22	16	66	349	962	116.9	1,679.4
Baking	1	2	16	8	31	124	14	217
Food Service	11	20	16	58	318	838	102.9	1,462.4
Public Services	17	17	21	64	408	1,171	69.6	1,334.8 ~~1,258.8~~
Human Services	14	14	27	56	378	1,095	61.6	
Education	(3)	(3)	(17)	(6)	(52)	(101)	(7.6) (120.8)	
Human Services	(9)	(3)	(16)	(26)	(105)	(331)	(20)	(465)
Law	(2)	(8)	(28)	(24)	(221)	(663)	(24)	(663)
Library	3	3	10	8	30	76	8	76
Technology	55	71	18	212	1,280	3,717	277.9	5,404.4
Agriculture	1	1	16	2	16	32	2	32
Automotive Mechanics	16	32	21	103	674	2,105	151	3,096.7
Blueprint	1	1	15	3	15	45	3	45
Drafting	11	13	18	39	241	705	53	991
Graphic Arts	11	10	15	30	151	381	39.3	498.4
Grounds Maintenance	6	6	11	11	66	121		330
Marine Technology	9	8	15	24	117	328	29.6	411.3

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).
**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

Sources: SER Computer Reports 3010, 3011, October 6, 1980; Office of the Dean of Instruction.

TABLE 2d
CLASSES WITH TEN OR FEWER STUDENTS
LEEWARD COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes
TOTAL	34
GENERAL & PRE-PROF ED COURSES	23
Humanities	15
Art (145)	1
English (105)	2
European Languages (261)	1
French (201)	1
Spanish (101, 102)	2
Hawaiian (201)	1
Tagalog (101)	1
Music (115, 121G, 215, 221D, 223)	6
Natural Sciences	3
Biology (291C)	1
Mathematics (100)	1
Oceanography (211)	1
Social Sciences	4
Economics (150)	1
Social Science (101, 290F)	2
Women's Studies (290D)	1
Other General Education Disciplines	1
Learning Skills (110)	1
VOCATIONAL EDUCATION COURSES	11
Business Technologies	1
Office Procedures (050)	1
Food Science Technologies	5
Baking (020)	1
Food Science (052, 060)	4
Public Service Technologies	1
Library (024)	1
Other Technologies	4
Graphic Arts (031, 034, 044)	3
Marine Technology (042)	1

Sources: SER Computer Report 3011B, October 6, 1980;
Office of the Dean of Instruction.

TABLE 1e
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
MAUI COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes*		Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours**	
		No.	Ave Size				Instructor	Student
TOTAL	271	350	20	962	6,834	17,463	1,163.8	21,244.9
GENERAL & PRE-PROF EDUC COURSES	129	183	20	481	3,732	9,736	540.1	11,502.3
Humanities	57	81	20	251	1,671	4,906	270.8	5,452.8
Art	10	10	14	26	139	364	39.4	611.5
Communication	1	3	18	9	55	165	9.0	165.0
Dance	1	2	28	6	55	165	7	194
Drama	3	2	24	7	49	147	9	217
East Asian Lang: Japanese	3	5	14	20	70	280	25	350
English	11	26	20	81	521	1,560	78	1,548
European Language	7	6	15	14	88	189	14.9	210.3
European Language	(2)	(2)	(13)	(5)	(25)	(59)	(5)	(59)
French	(2)	(2)	(14)	(4)	(27)	(54)	(4.9)	(66.3
Spanish	(3)	(2)	(17)	(5)	(36)	(76)	(5)	(85)
Hawaiian Studies	3	5	22	16	110	329	15	327
History	3	7	33	21	233	699	21	699
Indo-Pac Lang: Hawaiian	2	2	15	12	51	160	16	277
Journalism	2	1	12	5	14	56	5	60
Music	5	4	14	8	58	108	7.5	116
Philosophy	3	3	32	10	96	288	9	285
Religion	2	2	36	7	73	219	6	216
Speech	1	3	20	9	59	177	9	177
Natural Sciences	32	50	20	101	1,016	2,175	132	3,212
Biological Sciences	4	5	25	13	125	351	18	471
Biology	(3)	(4)	(25)	(9)	(101)	(255)	(13)	(351)
Zoology	(1)	(1)	(24)	(4)	(24)	(96)	(5)	(120)
Chemistry	1	1	24	4	24	96	6	144
Mathematics	20	37	19	63	716	1,257	82	2,055
Oceanography	2	2	33	6	65	195	6	195
Physical Science	5	5	17	15	86	276	20	347
Astronomy	(1)	(1)	(28)	(3)	(28)	(84)	(3)	(84)
Physics	(3)	(3)	(11)	(8)	(33)	(92)	(12)	(138)
Science	(1)	(1)	(25)	(4)	(25)	(100)	(5)	(125)
Social Sciences	24	30	25	95	751	2,213	88	2,183
American Studies	1	1	17	3	17	51	3	51
Anthropology	3	5	24	15	122	366	15	366
Economics	3	5	29	15	146	438	15	438
Geography	2	2	17	7	35	105	6	102
Human Development	3	3	19	7	56	128	7	128
Political Science	2	3	20	9	59	177	9	177
Psychology	5	7	31	24	225	675	21	657
Social Science	3	2	18	8	38	114	6	108
Sociology	2	2	26	7	53	159	6	156
Other	16	22	13	34	294	442	49.3	654.5
Health & Physical Educ & Rec	13	16	14	16	220	220	31.3	432.5
Interdisciplinary Studies	2	4	10	12	38	114	12	114
Learning Skills	1	2	18	6	36	108	6	108

Continued

MAUI COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
VOCATIONAL EDUCATION	142	167	19	481	3,102	7,727	623.7	9,742.6
Business Education	53	76	22	167	1,719	3,472	164.2	3,630.8
Accounting	9	10	29	30	292	815	29.1	849.1
Business	6	10	21	35	226	678	30	630
Computer Science	1	2	28	6	55	165	6	165
Sales & Management	11	9	21	35	212	634	27	558
Hotel Operations	(5)	(4)	(23)	(17)	(108)	(324)	(12)	(273)
Management	(1)	(1)	(29)	(3)	(29)	(87)	(3)	(87)
Merchandising	(5)	(4)	(17)	(15)	(75)	(223)	(12)	(198)
Secretarial & Related	26	45	21	61	934	1,180	72.1	1,428.7
Business Machines	(4)	(12)	(15)	(12)	(182)	(182)	(15.3)	(232.0)
Office Procedures	(2)	(3)	(20)	(7)	(61)	(139)	(7)	(139)
Shorthand	(5)	(3)	(17)	(15)	(53)	(237)	(15)	(238)
Typewriting	(15)	(27)	(24)	(27)	(638)	(622)	(34.8)	(819.7)
Food Services	9	12	16	43	201	676	85.2	1,321.8
Baking	1	1	24	4	24	96	8	192
Food Service	8	11	16	39	177	580	77.2	1,129.8
Health Services	9	12	15	49	180	594	80	886
Health	1	1	17	1	17	17	1	17
Nursing	8	11	15	48	163	577	79	869
Public Services	18	15	16	40	241	615	30	541
Human Services	10	8	14	20	111	249	11	178
Education	(4)	(3)	(10)	(8)	(30)	(65)	(5)	(48)
Human Services	(3)	(2)	(16)	(4)	(32)	(51)	(1)	(18)
Social Services	(3)	(3)	(16)	(8)	(49)	(133)	(5)	(112)
Law	2	2	22	6	43	129	6	129
Occupational Safety & Health	1	1	12	1	12	12	1	12
Police Science	5	4	19	13	75	225	12	222
Technology	53	52	15	182	761	2,370	264.3	3,363
Agriculture	11	8	15	37	151	498	40.3	442
Apparel Design & Const.	5	3	13	10	41	107	14	179
Auto Body Repair & Painting	4	4	14	17	55	223	27	374
Automotive Mechanics	8	11	14	30	159	403	42	581
Blueprint Reading	1	1	9	3	9	27	3	27
Carpentry	3	3	14	23	41	305	45	595
Drafting	4	4	10	14	40	120	25	208
Electricity	2	5	20	13	101	267	15	303
Electronics	2	2	18	4	35	71	6	105
Energy	1	1	5	1	5	5	1	5
Maintenance	3	2	10	5	20	41	6	57
Marine Technology	3	1	24	5	27	81	4	96
Textile & Clothing	2	2	13	6	25	75	8	97
Welding	4	5	10	14	52	147	28	294

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).
**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

Sources: SER Computer Reports 3010, 3011, October 3, 1980; Office of the Dean of Instruction.

TABLE 2e
CLASSES WITH TEN OR FEWER STUDENTS
MAUI COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes
TOTAL	31
GENERAL & PRE-PROF ED COURSES	13
Humanities	7
Art (100B, 101, 105B)	4
Japanese (102)	1
European Languages (262)	1
Music (122B)	1
Natural Sciences	2
Physics (151, 151L)	2
Other General Education Disciplines	4
Hlth Phys Ed & Rec (115, 131)	2
Inter-Disciplinary Studies (101, 245)	2*
VOCATIONAL EDUCATION COURSES	18
Business Technologies	1
Hotel Operations (042)	1
Food Service Technology	1
Food Service (052)	1
Public Service Technology	3
Education (050V, 253)	2**
Social Services (091V)	1***
Other Technologies	13
Agriculture (056)	1
Apparel Design & Construction (025)	1
Auto Body Repair & Paint (020, 023)	2
Auto Mechanics (015B)	1
Blue Print Reading (022)	1
Drafting (020,038)	2
Energy (097)	1
Maintenance (040)	1
Welding (020C, 020F)	3

*IS courses are taught by counselors. These are self development courses requiring lower teacher/student ratios.
**The maximum class size of these classes are prescribed by the program.
***Practicum.
Sources: SER Computer Report 3011B, October 3, 1980;
Office of the Dean of Instruction.

TABLE 1f
COURSES, CLASSES, CREDIT, & STUDENT SEMESTER HOURS, BY SUBJECT AREA
WINDWARD COMMUNITY COLLEGE
FALL 1980

Note: Totals may not equal the sum of the parts because of rounding.

Subject Area	Courses	Classes*		Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours**	
		No.	Ave Size				Instructor	Student
TOTAL	140	224	22	625	4,835	13,521	678.6	14,563.8
GENERAL & PRE-PROF EDUC COURSES	104	174	22	508	3,816	11,238	549.1	11,927.9
Humanities	47	86	23	252	1,960	5,729	275.1	6,139.9
Art	6	7	19	21	133	399	38.2	709.8
Communication	1	4	18	12	72	216	10.8	194.4
Drama	2	3	24	9	72	216	9	216
East Asian Language: Japanese	2	3	21	11	64	235	12.9	278.1
English	12	31	22	93	676	2,028	92.4	2,012.7
French	1	2	21	8	42	168	9.9	206.4
Hawaiian Studies	3	5	25	12	124	313	11.2	296.2
History	4	10	31	30	313	939	29.4	920.4
Humanities	2	1	18	3	19	56	3	54
Indo-Pac Lang: Hawaiian	1	2	25	8	50	200	9.7	241.6
Journalism	2	2	12	6	23	69	6	69
Music	7	7	21	12	148	218	16.5	291.8
Philosophy	2	4	26	12	104	312	11.7	304.2
Religion	1	3	24	9	72	216	8.4	201.3
Speech	1	2	24	6	48	144	6	144
[illegible]tural Sciences	21	37	23	120	839	2,694	133	2,961.6
Biological Sciences	8	8	19	25	153	512	32.7	606.2
Biology	(1)	(2)	(26)	(6)	(52)	(156)	(6)	(156)
Botany	(4)	(4)	(16)	(14)	(63)	(220)	(16.7)	(261.7)
Zoology	(3)	(2)	(19)	(8)	(38)	(136)	(10)	(188.5)
Chemistry	4	7	25	13	178	358	19.5	501
Mathematics	6	17	22	62	394	1,441	61.1	1,418.6
Oceanography	1	3	24	9	73	219	8.7	210.3
Science	2	2	21	8	41	164	11	225.5
Social Sciences	19	31	23	96	734	2,202	94	2,145.3
Anthropology	3	5	27	15	136	408	14.7	400.2
Economics	2	2	27	6	53	159	6	159
Geography	1	1	26	3	26	78	3	78
Political Science	3	6	20	21	127	381	21	381
Psychology	3	6	27	18	161	483	16.9	453.3
Social Science	5	6	15	18	91	273	18	273
Sociology	2	5	28	15	140	420	14.4	400.8
Other	17	20	14	40	283	613	47	681.1
Health & Physical Education	9	10	12	12	117	161	21.1	256.7
Interdisciplinary Studies	7	7	16	19	114	296	17.2	273.8
Learning Skills	1	3	17	9	52	156	8.7	150.6

Continued

WINDWARD COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Instructor Sem. Hours	Student Regis.	Student Sem. Hours	Contact Hours** Instructor	Contact Hours** Student
VOCATIONAL EDUCATION	36	50	20	117	1,019	2,283	129.5	2,635.9
Business Education	22	35	23	79	789	1,660	79.3	1,750.9
Accounting	6	12	25	21	302	505	21.5	539.5
Business	3	4	18	10	72	192	10	192
Finance	2	2	26	6	52	156	5.4	140.7
Real Estate	1	1	18	3	18	54	3	54
Secretarial & Related	10	16	22	39	345	753	39.4	824.7
Business Machines	(2)	(4)	(30)	(4)	(119)	(119)	(7.7)	(230.5)
Office Procedures	(2)	(1)	(21)	(5)	(26)	(77)	(3.0)	(63)
Shorthand	(2)	(2)	(14)	(5)	(28)	(63)	(5.5)	(73.5)
Typewriting	(3)	(8)	(20)	(24)	(161)	(483)	(22.2)	(446.7)
Word Processing	(1)	(1)	(11)	(1)	(11)	(11)	(1)	(11)
Health Services	1	2	10	2	19	19	2	19
Public Svcs: Social Justice	2	2	18	6	35	105	6	105
Technology	11	11	16	30	176	499	42.2	761
Agriculture	4	3	7	6	22	37	4.2	29
Automotive Mechanics	7	8	19	24	154	462	38	732

*Excludes courses with catalog numbers 093, 193, 293 (cooperative education) and 099, 199, 299 (directed studies).
**Contact hours (instructor and student) understated. Data not available on some classes because they meet on "hours arranged" basis.

Sources: SER Computer Reports 3010, 3011, October 6, 1980; Office of the Dean of Instruction.

TABLE 2f
CLASSES WITH TEN OR FEWER STUDENTS
WINDWARD COMMUNITY COLLEGE
FALL 1980

Subject Area	No. of Classes
TOTAL	10*
GENERAL & PRE-PROF ED COURSES	6
Humanities	3
English (022)	1
Journalism (285V)	1
Music (121C)	1
Social Sciences	2
Social Science (212, 213)	2
Other General Education Disciplines	1
Health, PE & Recreation (161)	1
VOCATIONAL EDUCATION COURSES	4
Business	1
Shorthand	1
Other Technologies	3
Agriculture	3

*Includes courses required for programs.

Sources: SER Computer Report 3011B, October 6, 1980;
Office of the Dean of Instruction.

APPENDIX A
DEFINITIONS

1. COURSE: A unit of instruction consisting of recitations, lectures, laboratory sessions, etc., in a particular subject.

   Example: English 100

2. CLASS: A lecture section of one or more students meeting regularly for instruction in a lecture or seminar course.

   Example: Lecture section 39 of English 100

3. SEMESTER HOURS: Semester or semester hour value assigned to each lecture section of each fixed credit course. (Also known as credit hours.)

   Example: Three semester hours for lecture section 39 of English 100

4. STUDENT REGISTRATIONS: Number of students registered in each class, excluding students auditing the class.

   Example: 25 student registrations in lecture section 39 of English 100

5. STUDENT SEMESTER HOURS: Sum of semester hours taken by all students registered in all classes, excluding auditors (SSH).

   Example: 75 student semester hours taken by 25 students in lecture section 39 of English 100 which is a three credit course

6. AVERAGE CLASS SIZE: Student registrations divided by number of classes. (Excludes classes and student registrations in classes such as directed studies, cooperative education.)

7. FTE FACULTY: A count of instructors which is the sum of the following: (a) headcount of all regular full-time instructors (C-scale appointees) assigned to instruction except those designated as division chairmen/coordinators; (b) a count of division chairmen/coordinators based on the equation, one division chairman=0.7 FTE instructor; (c) a count of part-time instructors based on FTE indicated in SF5B, i.e., 0.50=.5 FTE; (d) a converted count of lecturers, instructors on overload, non-instructional staff teaching a course, instructors teaching in level 5 subject area other than that designated in SF5B. (See Definition 8.)

8. FULL-TIME EQUIVALENT OF: (1) "LECTURERS"; (2) INSTRUCTORS ON "OVERLOAD"; (3) "NON-INSTRUCTIONAL STAFF TEACHING CERTAIN COURSES"; (4) INSTRUCTORS TEACHING IN A LEVEL 5 SUBJECT AREA OTHER THAN THAT DESIGNATED IN SF5B:

   Number of semester hours taught by these four groups divided by 15 credits. (Based on credits instructor is compensated for in the case of "overloads" and lecturers.)

9. FTE STUDENTS: The conversion of full- and part-time students into full-time equivalent by dividing total SSH taken by 15 credits.

10. EQUIVALENT CREDITS for classes with variable credits:

    (a) Regular subject, self-paced classes: average SH (derived by dividing SSH by number of students).

    (b) Classes with catalog numbers 099, 199, 299: total SSH divided by 10 credit hours.

    (c) Cooperative vocational and cooperative arts and sciences courses: 50 students = 15 credit hours.

11. TEACHING LOAD MEASUREMENTS:

    (a) Average semester hours taught: the quotient obtained by dividing semester hours taught by FTE faculty,

    e.g. $\frac{8,473 \text{ credits taught}}{647.5 \text{ faculty}} = 13.1$

    (b) Productivity ratio: the quotient obtained by dividing student semester hours (SSH) by FTE faculty,

    e.g. $\frac{229,573}{647.5} = 355$

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